

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Erion et al.

Serial No.:

09/978,454

Filed: October 15, 2001

Title: **NOVEL PRODRUGS FOR**

PHOSPHORUS-CONTAINING

COMPOUNDS

Group Art Unit: 1616

Examiner: Dameron Jones

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)(3)

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Sir:

In compliance with the Applicant's duty under 37 CFR § 1.56, the following information is brought to the attention of the Examiner. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this Information Disclosure Statement (IDS) may or may not be "material" pursuant to 37 CFR § 1.56 and the submission thereof by Applicant shall not be construed as an admission that any such patent, publication or other information referred to therein is material

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Patent 45198.00027.RCE2(CON1)

or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

The filing of this IDS shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR § 1.56, exists.

The attached IDS is being filed in accordance with 37 CFR §§ 1.97 and 1.98. This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b)(3), that is before the mailing of a first Office Action on the merits. Thus, no petition or fee is required. However, if the undersigned representative of Applicant is in error in this regard, then the Examiner is requested to consider this IDS as filed under § 1.97(c) and is further authorized to charge any fee required by the filing of these papers to Paul, Hastings, Janofsky & Walker's Deposit Account No. 50-2613.

Respectfully submitted,

Dated: 1/30/04

 $\mathbf{R}_{\mathbf{V}}$

Diana L. Bush, Esq., Ph.D.

Reg. No. 51,109

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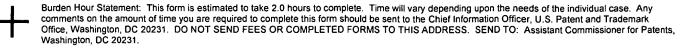
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	AB	6,110,903	1	Kasibhatla et al.	08/29/00	
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		Beaucage and Iyer, "The Synthesis of Modified Oligonucleotides by the Phosphoramidite Approach and Their Applications," <u>Tetrahedron</u> , 49(28):6123-6194 (1993).				
		Borch and Millard, "The Mechanism of Activation of 4-Hydroxycyclophosphamide," <u>J. Med. Chem.</u> , 30:427-431 (1987).				
		Cooper et al., "Use of Carbohydrate Derivatives for Studies of Phosphorus Stereo-chemistry. Part II. Synthesis and Configurational Assignments of 1,-3,2-Oxathiaphosphorinan-2-ones and 1,3,2-Dioxaphosphorinan-2-thiones," J.C.S. Perkin I, 3/2422:1049-1052 (1973).				
		Clercq et al., "A Novel Selective Broad-spectrum Anti-DNA Virus Agent," Nature, 323:464-467 (1986).				

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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		Farquhar et al., "Synthesis and Antitumor Evaluation of Bis[(pivaloyloxy)methyl] 2'-Deoxy-5-fluorouridine 5'-Monophosphate (FdUMP): A Strategy to Introduce Nucleotides into Cells," J. Med. Chem., 37:3902-3909 (1994).					
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		Khorana et al., "Cyclic Phosphates. III. Some General Observations on the Formation and Properties of Five-, Six- and Seven-membered Cyclic Phophate Esters," <u>Brit. Col. Res. Couns.</u> , 79:430-436 (1957).					
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		Mosbo and Verkade, "Dipole Moment, Nuclear Magnetic Resonance, and Infrared Studies of Phosphorus Configurations and Equilibria in 2-R-2-Oxo-1,3,2-dioxaphosphorinanes," <u>J. Org. Chem.</u> , 42(9):1549-1555 (1977).					
		Nakayama and Thompson, "A Highly Enantioselective Synthesis of Phosphate Triesters," <u>J. Am. Chem. Soc.</u> , 112:6936-3942 (1990).					

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				Group Art Unit	1616	
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Sheet	3	of	3	Attorney Docket Number	032465.00027.RCE2(CON1)	
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·		Starrett, Jr. et al., "Synthesis, Oral Bioavailability Determination, and in Vitro Evaluation of Prodrugs of the Antiviral Agent 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA)," J. Med. Chem., 37:1857-1864 (1994).	
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